

MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

15.0m PUR/PVC 16x0,34+3x0,75

Further cable lengths on request.

8-way, 5-pole

Plastic housings with good resistance against chemicals and oils.

PUR/PVC

The resistance to aggressive media should be individually tested for your application. Further details on request.

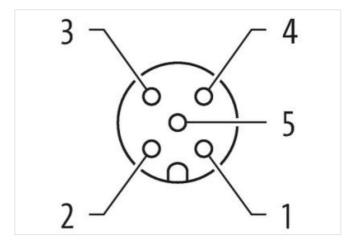
15.0 m

with LED for digital PNP-signals 24 V DC

Link to Product

Illustration





Product may differ from Image



Commercial data	
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879064439
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A



stay connected

Mounting sel M12 x 1 Devices protection Electrical Deprice of protection (EN INEC 60829) IP65, IP67 Additional condition protection degree Inserted, screwed Protection Media Filame resistance fame retardant Machanical data Munting data Height 150 mm Medical data Mounting data Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Environmental characteristics Climatic<	Total current max.	8 A	
Number of signate per port 2 Installation I Connection Image: Tightening torque 0.8 Nm Wordering sup MT2 x 1 Device protection I Electrical Device protection I Electrical Position of Condition protection (Rect) Image: Transport of Section (I Media Human resistance Illume restance Moderation I Mounting data Mechanical data I Mounting data *** Time The Mechanical data I Mounting data ** Developmentation I Responsibility American I Responsibility American I Responsibility American I Responsibility American I	Industrial communication		
Implaination Connection		_	
Tightening torque 0,6 Nm Mounting set M12 x 1 Deuvice protection (EN IEC 6052s) IP65, IP67 Additional condition protection degree Inserted, screwed Powice protection / Media Flame resistance Illumental sets and the se		2	
Mounting set	Installation Connection		
Degree of protection (EN IEC 60529) IP65, IP67 Additional condition (EN IEC 60529) IP65, IP67 Additional condition protection degree Inserted, screwed Device protection Media Immediate (Ministrial data) Mechanical data Material data Mechanical data Mounting data Mechanical data Mounting data PBT Mechanical data Mounting data Image: Mechanical data Mounting data Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Cable (Green of the protection of the protectio	Tightening torque	0,6 Nm	
Degree of protection (EN IEC 60529) IP85, IP87 Additional condition protection degree Inserted, screwed Pervice protection Media Fame resistance fame retardant Mechanical data Muterial data Machanical data Muterial data Height 150 mm Mochanical data Muterial data Width 50.2 mm Dependence Environmental characteristics Climatic Common Com	Mounting set	M12 x 1	
Additional condition protection lagree inserted, screwed Device protection Media	Device protection Electrical		
Additional condition protection lagree inserted, screwed Device protection Media	Degree of protection (EN IEC 60529)	IP65, IP67	
Powerice protection Media Fame residance flame retardant Mechanical data Material data Waterial housing PBT Mechanical data Mounting data 150 mm PMT Mechanical data Mounting data 150 mm PMT Weight 50.2 mm PMT Depth 17 mm PMT Environmental characteristics Climatic University Comparity Comparit		inserted, screwed	
Mechanical data Material data Mechanical data Mechanical Mounting data Height 150 mm Width 50,2 mm Depth 17 mm Environmental characteristics Climater Environmental characteristics Climater Coperating temperature man. 40 °C Operating temperature man. 40 °C Additional condition temperature man. 40 °C Cable identification 398 Cable identification 398 Cable Type 2 Cable identification 398 Cable Type 2 Cable Vipe 20 °C Cable Stype 2 Macket Color gray Type of Certificate CURus Stranding 1 Stranding (type 2) 12 wires around Core filier twisted Amount stranding (type 2) 12 wires around Stranding combination twisted wire arrangement wire (type) (type) (type) (type), pink, yellow-white, gray, blue, brown, green, red-blue, (viole, brown-gray, black, gray-white, red, brown-gray, pilonc, green, red-blue, (viole, brown-gray, black, gray			
Mechanical data Material data Mechanical data Mechanical Mounting data Height 150 mm Width 50,2 mm Depth 17 mm Environmental characteristics Climater Environmental characteristics Climater Coperating temperature man. 40 °C Operating temperature man. 40 °C Additional condition temperature man. 40 °C Cable identification 398 Cable identification 398 Cable Type 2 Cable identification 398 Cable Type 2 Cable Vipe 20 °C Cable Stype 2 Macket Color gray Type of Certificate CURus Stranding 1 Stranding (type 2) 12 wires around Core filier twisted Amount stranding (type 2) 12 wires around Stranding combination twisted wire arrangement wire (type) (type) (type) (type), pink, yellow-white, gray, blue, brown, green, red-blue, (viole, brown-gray, black, gray-white, red, brown-gray, pilonc, green, red-blue, (viole, brown-gray, black, gray	Flame resistance	flame retardant	
Material housing PBT Mechanical data Mounting data Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Commonity Operating temperature min. 20 °C Operating temperature may. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable identification 398 Cable (contributed) Cable (contributed) STOOM style jacket Hybrid, Signal, Power Culflus STOOM style jacket Hybrid, Signal, Power Culflus Amount stranding 1 Stranding 1 Stranding (type 2) 1 12 wires around Stranding combination twisted wire arrangement bit (contribute) 2 wire around Stranding combination twisted wire arrangement bit (contribute) 2 king ray-pink, brown-green, yellow, green-wiltie, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigh 165 gm 65 gm <t< td=""><td></td><td></td></t<>			
Mechanical data Mounting data 150 mm Width 50,2 mm Deepth 17 mm Environmental characteristics Climatic Coperating temperature min. -20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 388 Cable identification 398 Cable identification 398 Cable identification 398 Castely Type 2 Jacket Color gray Color (strictate CUPus STANDING Stranding (syle jacket Hybrid, Signal, Power Amount stranding (tyle 2) 1 1 Stranding (type 2) 1 2 Stranding (type 2) 1 2 1 Stranding (type 2) 1 2 1 2 Stranding (type 2) 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 <t< td=""><td>·</td><td>DOT</td></t<>	·	DOT	
Height 150 mm 17 mm 17 mm 18		PBI	
Width 50,2 mm Environmental characteristics Climatic Operating temperature min. 20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Instal	Mechanical data Mounting data		
Environmental characteristics Climatic Operating temperature min20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable Identification 388 Cable Identification 398 Carlo Color gray Type of Certificate CURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green-yellow) No. of bending cycles (C-track) 2 Min. @ 25 °C Cable weight 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (lacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 9ray Material inner jacket PVC Color (inner jacket) 9ray Material inner jacket 1,3 mm Outer diameter firesulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter solutation 1,3 mm Outer diameters wire insulation 1,4 ± 5 % Shore bardness wire insulation 1,5 mc. 2,5 CFC-free, silicone-free 1,5 CFC-free	Height		
Environmental characteristics Climatic Operating temperature min.	Width		
Operating temperature min20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Installation Cable Installation Cable destribution Says Cable identification Says Cable identification Says Cable Type 2 Jacket Color gray Curlicate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 1 Wries around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green) green yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (facket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material miner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation PVC Color (inner jacket) gray Material wire insulation 43 ± 5 Shore D Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation good materiae, CFC-free, silicone-free Amount strands (wire) 19	Depth	17 mm	
Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Installation Cable Cable identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 1 Stranding gvyles (C-track) 2 kinc, @y 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires insulation 43 ± 5 Shore D Material wire insulation 43 ± 5 Shore D Material miner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter (sheath) 45 % Shore hardness wire insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 1,3 mm Outer diameter tolerance core insulation 1,3 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter solutation 1,3 mm Outer diameter insulation 1,3 mm Outer diameter solutation 1,4 ± 5 Shore D Material properties wire insulation 1,4 ± 5 Shore D Material properties wire insulation 1,4 ± 5 Shore D Material properties wire insulation 1,4 ± 5 Shore D	Environmental characteristics Climatic		
Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 vires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement brown-yellow, prink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigh 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) gray Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 42 ± 5 Shore D Material properties wire insulation 42 ± 5 Shore D Material properties wire insulation 42 ± 5 Shore D Material properties wire insulation 42 ± 5 Shore D Material properties wire insulation 1,3 mm Outer diameter tolerance core insulation 42 ± 5 Shore D Material properties wire insulation 1,3 mm Outer diameter insulation 1,3 mm	Operating temperature min.	-20 °C	
Installation Cable Cable identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation 1,3 mm Outer diameter insulation 43 ± 5 Shore D	Operating temperature max.	80 °C	
Cable Identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore A Ardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation 1,3 mm Outer diameter insulation 1,3 mm Outer diameter insulation	Additional condition temperature range	depending on cable quality	
Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Installation Cable		
Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material linner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Cable identification	398	
Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Cable Type	2	
STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Jacket Color	gray	
Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Type of Certificate	cURus	
Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	STOOW style jacket	Hybrid, Signal, Power	
Amount stranding (type 2) Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) Gouter diameter insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation Ingredient freeness wire insulation	Amount stranding	1	
Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) Gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation Material properties wire insulation Material properties wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Amount strands (wire) 19	Stranding	7 wires around Core filler twisted	
wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weight 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Amount stranding (type 2)	1	
brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation Material	Stranding (type 2)	12 wires around Stranding combination twisted	
Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	wire arrangement		
Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	No. of bending cycles (C-track)	2 Mio. @ 25 °C	
Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Cable weigth	165 g/m	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation Material properties wire insulation Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Material jacket	PUR	
Outer-diameter (jacket) Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Shore hardness jacket	87 ± 5 Shore A	
Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free	
Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Outer-diameter (jacket)	10 mm	
Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Tolerance outer diameter (sheath)		
Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Material inner jacket	PVC	
Amount wires Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation \$\frac{\pmathcal{2}}{\pmathcal{2}}\$ 5 % Shore hardness wire insulation 43 \pmathcal{2} 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Color (inner jacket)		
Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Material wire insulation		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Amount wires		
Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Outer diameter insulation		
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Outer diameter tolerance core insulation		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19	Shore hardness wire insulation		
Amount strands (wire) 19	Material properties wire insulation		
Diameter of single wires 0,15 mm			
	Diameter of single wires	U,15 mm	



stay connected

Conductor crosssection (wire)	0.34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Amount wires (Power)	3
Amount strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm ²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (claridate)	4 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7,8 A
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Connection type 2	
Family construction form	free cable end
Color contact carrier	gray
No. of poles	19
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE PE
FIND	